

Abstract

The invention relates to aircraft automatic control systems. Its use for providing flight safety of civil aircrafts allows to obtain the technical result in the form of reducing a probability of a missile hit on a civil aircraft and ensuring protection reliability in optical interference environment. This technical result is achieved in the method due to steps of: determining the fact of a missile launch; determining missile coordinates in every time moment; generating pulse periodic laser radiation, wherein a wavelength range of the laser radiation is within a sensitivity range of infrared seeker head, a power of the laser radiation exceeds the power of radiation of the aircraft engine in the sensitivity range of the infrared seeker head, and a pulse repetition frequency is close to typical operation frequency of the infrared seeker head; and sending the laser radiation to the point of presence of the missile in the given time moment. This result is ensured in the system by arranging at an aircraft and employing sensors of missile launch fact and coordinates, a transceiver having a turn drive and an optical channel which output is connected to a sensor of missile coordinates at a missile flight trajectory, an on-board calculator, and a laser radiation generator having an actuation device.